## FIRE SHIELDING BATTERY CASE

## ABSTRACT OF THE DISCLOSURE.

A battery case made of an intumescent flame retardant polymeric composition that provides fire shielding, thermal shielding and a low heat release rate. A fire resistant additive is blended with a base polymer to produce the flame retardant polymeric material that is molded into the battery case. In one embodiment, one or more vent holes are provided in the battery case, advantageously in the cover portion, to permit gases to escape. In another embodiment, the fire resistant additive used for the battery case composition comprises a polymeric binder that includes an α-olefin-containing copolymer and a high density polyethylene, a nitrogenous gas-generating agent; a water vapor-generating agent; an antioxidant; and optionally a reinforcing agent. In another embodiment, the base polymer comprises a polyphenylene oxide and polypropylene blend, unfilled or filled with up to 60 wt.% glass fiber.